## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref #      | Hits | Search Query   | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|------------|------|--|--|---------------------|---------|---------------------|
| S1         | 580  | 375/147.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2007/08/31<br>11:59 |
| S2         | 647  | 375/148.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:46 |
| S3         | 1176 | "1", 375/148.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:48 |
| S4         | 1082 | ("1", 375/148.ccls.)<br>and (channel<br>estimat\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:49 |
| <b>S</b> 5 | 259  | (("1", 375/148.<br>ccls.) and (channel<br>estimat\$3)) and<br>weight   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:49 |
| <b>S</b> 6 | 492  | (("1", 375/148.<br>ccls.) and (channel<br>estimat\$3)) and<br>(weight\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:49 |
| <b>S</b> 7 | 486  | ((("1", 375/148.<br>ccls.) and (channel<br>estimat\$3)) and<br>(weight\$3)) and<br>(time multiplex\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:50 |
| S8         | 416  | (((("1", 375/148.<br>ccls.) and (channel<br>estimat\$3)) and<br>(weight\$3)) and<br>(time multiplex\$3))<br>and (pilot symbol)                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2005/04/10<br>08:54 |
| <b>S</b> 9 | 172  | ((((("1", 375/148.<br>ccls.) and (channel<br>estimat\$3)) and<br>(weight\$3)) and<br>(time multiplex\$3))<br>and (pilot symbol))<br>and (mean) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | ON      | 2004/11/04<br>11:51 |

| S10 | 172  | (((((("1", 375/148.<br>ccls.) and (channel<br>estimat\$3)) and<br>(weight\$3)) and<br>(time multiplex\$3))<br>and (pilot symbol))<br>and (mean)) and<br>(data symbols) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2004/11/04<br>11:52 |
|-----|------|--|--|----|----|---------------------|
| S11 | 75   | ((((((("1", 375/148. ccls.) and (channel estimat\$3)) and (weight\$3)) and (time multiplex\$3)) and (pilot symbol)) and (mean)) and (data symbols)) and (parallel)     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/19<br>09:50 |
| S12 | 2    | "5737327".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/04/10<br>08:54 |
| S13 | 1028 | 375/260.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/19<br>09:51 |
| S14 | 1467 | 375/316.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/19<br>09:51 |
| S15 | 835  | 375/324.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/19<br>09:51 |
| S16 | 1155 | 375/224.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/19<br>09:51 |
| S17 | 4381 | S13 S14 S15 S16  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2007/04/22<br>11:47 |
| S18 | 378  | \$3) near4 (weight   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/23<br>06:57 |
| S19 | 26   | S17 and S18  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/19<br>11:07 |
| S20 | 322  | (channel adj estimat<br>\$3) near4 (weight<br>\$3 factor) and (time<br>multiplex\$4) and<br>(averag\$3 pilot)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2006/12/27<br>14:50 |

| S21 | 291 | S20 and ("375"/\$.<br>ccls. or "455"/\$.<br>ccls. or "370"/\$.<br>ccls.)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/23<br>10:02 |
|-----|-----|---|--|----|----|---------------------|
| S22 | 291 | S21 and (time<br>multiplex\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/23<br>07:00 |
| S23 | 45  | S21 and (time adj<br>multiplex\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/23<br>12:21 |
| S24 | 1   | "6804311".PN.   | USPAT; USOCR                             | OR | ON | 2005/08/23<br>07:52 |
| S25 | 1   | "6442193".PN.   | USPAT; USOCR                             | OR | ON | 2005/08/23<br>08:07 |
| S26 | 1   | "5734674".PN.   | USPAT; USOCR                             | OR | ON | 2005/08/23<br>08:07 |
| S27 | 18  | \$3) near4 (weight  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/23<br>10:02 |
| S28 | 17  | \$27 and ("375"/\$.<br>ccls. or "455"/\$.<br>ccls. or "370"/\$.<br>ccls.)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2006/02/02<br>11:08 |
| S29 | 1   | "05737327"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2005/08/23<br>12:28 |
| S30 | 22  | (channel adj estimat<br>\$3) near4 (weight<br>\$3 factor) and (time<br>multiplex\$4) and<br>(averag\$3 adj pilot)     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2006/02/02<br>11:08 |
| S31 | 21  | \$30 and ("375"/\$.<br>ccls. or "455"/\$.<br>ccls. or "370"/\$.<br>ccls.)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2006/02/02<br>11:09 |
| S32 | 25  | (channel adj estimat<br>\$3) near4 (weight<br>\$3 factor) and (time<br>multiplex\$4) and<br>(averag\$3 adj pilot)     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2006/10/03<br>10:00 |
| S33 | 190 | (channel adj estimat<br>\$3) near4 (weight<br>\$3 factor) and (time<br>multiplex\$4) and<br>(averag\$3 same<br>pilot) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2007/08/30<br>08:22 |

| S34 | 91     | S33 and<br>(transmission same<br>rate)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2006/12/27<br>15:30 |
|-----|--------|---|---|----|----|---------------------|
| S35 | 1      | "05737327"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/12/27<br>15:04 |
| S36 | 200728 | S34 and demodulat<br>\$3 or de\$modulat<br>\$4  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/12/27<br>15:31 |
| S37 | 67     | S34 and (demodulat<br>\$3 or de\$modulat<br>\$4)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/12/27<br>15:32 |
| S38 | 46     | (channel adj estimat<br>\$3) near4 (weight<br>\$3 factor) and (time<br>adj multiplex\$4)<br>and (averag\$3<br>same pilot) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/01/04<br>15:22 |
| S39 | 46     | S38 and (control channel)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/01/04<br>16:15 |
| S40 | 1      | "6574270".PN.   | USPAT; USOCR                                      | OR | ON | 2007/01/04<br>15:23 |
| S41 | 1      | "6496534".PN.   | USPAT; USOCR                                      | OR | ON | 2007/01/04<br>15:24 |
| S42 | 1      | "5930288".PN.   | USPAT; USOCR                                      | OR | ON | 2007/01/04<br>15:31 |
| S43 | 1      | "5694388".PN.   | USPAT; USOCR                                      | OR | ON | 2007/01/04<br>15:34 |
| S44 | 1      | "5694388".PN.   | USPAT; USOCR                                      | OR | ON | 2007/01/04<br>15:35 |
| S45 | 1283   | 455/63.1.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/04<br>16:15 |
| S46 | 236    | S45 and (pilot)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/04<br>16:16 |
| S47 | 39     | S46 and (transmiss<br>\$4 near rate)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/04<br>16:55 |

| S48 | 0      | "056666352"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/04<br>16:56 |
|-----|--------|---|---|----|----|---------------------|
| S49 | 1      | "05666352"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/05<br>07:42 |
| S50 | 352427 | ((averag\$3 pilot<br>symbol) same<br>weight\$3)             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/05<br>07:44 |
| S51 | 79468  | S50 and (channel estimat\$3)                                | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/05<br>07:44 |
| S52 | 2239   | S50 and (channel adj estimat\$3)                            | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>11:35 |
| S53 | 18     | ((averag\$3 adj1<br>pilot adj symbol)<br>same weight\$3)    | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>11:37 |
| S54 | 16     | S53 and (channel estimat\$4)                                | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/05<br>07:45 |
| S55 | 1      | "6493395".PN.   | USPAT; USOCR                                      | OR | ON | 2007/01/05<br>09:52 |
| S56 | 360413 | ((averag\$3 pilot<br>symbol) same<br>weight\$3)             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>11:35 |
| S57 | 2392   | S56 and (channel adj estimat\$4)                            | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>11:35 |
| S58 | 18     | ((averag\$3 adj1<br>pilot adj symbol\$1)<br>same weight\$3) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:30 |
| S59 | 16     | S58 and (channel estimat\$4)                                | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:27 |

| <b>S</b> 60 | 1799 | (select data<br>sequence) same<br>(judgment<br>reliability) same<br>demodulat\$3       | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:29 |
|-------------|------|--|---|----|----|---------------------|
| S61         | 2    | S58 and S60  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:29 |
| S62         | 214  | S60 and ((averag\$3 pilot symbol\$1) same weight\$3)                                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:31 |
| S63         | 99   | S60 and ((averag\$3 pilot adj symbol\$1) same weight\$3)                               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:31 |
| S64         | 47   | S60 and ((averag\$3 pilot adj symbol\$1) same weight)                                  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/04<br>14:31 |
| S65         | 1    | "6070086".PN.  | USPAT; USOCR                                      | OR | ON | 2007/04/19<br>16:24 |
| S66         | 4    | (juge\$4 or determin<br>\$3 same reliability)<br>same (plurality adj1<br>demodulat\$3) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>14:21 |
| S67         | 1    | "6414985".PN.  | USPAT; USOCR                                      | OR | ON | 2007/04/19<br>16:40 |
| S68         | 1    | "6295311".PN.  | USPAT; USOCR                                      | OR | ON | 2007/04/19<br>16:42 |
| <b>S</b> 69 | 953  | 375/147.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/04/22<br>11:50 |
| S70         | 1829 | 375/260.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/04/22<br>11:48 |
| S71         | 1867 | 375/316.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/04/22<br>11:48 |
| S72         | 976  | 375/324.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/04/22<br>11:48 |
| S73         | 1318 | 375/224.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/04/22<br>11:48 |
| S74         | 5843 | S70 S71 S72 S73  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/04/22<br>11:48 |

| S75 | 86   | S74 and S69                             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:49 |
|-----|------|---|---|----|----|---------------------|
| S76 | 5    | S75 and<br>demodulator and<br>selector  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:51 |
| S77 | 10   | S75 and selector                        | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:49 |
| S78 | 38   | S75 and<br>demodulator                  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:49 |
| S79 | 4528 | \$69 or 370/342.<br>ccls.               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:54 |
| S80 | 221  | S79 and<br>demodulator and<br>selector  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:52 |
| S81 | 62   | S79 and<br>demodulator same<br>selector | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:51 |
| S82 | 1514 | S79 and<br>demodulator\$1               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:54 |
| S83 | 221  | S82 and selector\$1                     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:55 |
| S84 | 96   | S83 and walsh                           | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:55 |
| S85 | 32   | S84 and hadamard                        | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/22<br>11:55 |
| S86 | 1    | "6396867".PN.                           | USPAT; USOCR                                      | OR | ON | 2007/05/22<br>13:18 |
| S87 | 1    | "6219391".PN.                           | USPAT; USOCR                                      | OR | ON | 2007/05/22<br>13:19 |

| S88 | 1     | "6072998".PN.  | USPAT; USOCR                                      | OR | ON | 2007/05/22<br>13:19 |
|-----|-------|--|---|----|----|---------------------|
| S89 | 1     | "6064690".PN.  | USPAT; USOCR                                      | OR | ON | 2007/05/22<br>13:20 |
| S90 | 27559 | (weight\$4 same sum or averag\$4 same pilot same (plural\$4 adj2 weight)) and (channel estimat\$4)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:23 |
| S91 | 3480  | \$90 and demodulat<br>\$3  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:23 |
| S92 | 914   | (weight\$4 same sum or averag\$4 same pilot same (plural\$4 adj2 weight)) and (channel adj estimat \$4)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:24 |
| S93 | 914   | (weight\$4 same sum or averag\$4 same pilot same (plural\$4 adj1 weight)) and (channel adj estimat \$4)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:24 |
| S94 | 648   | (weight\$4 same<br>sum or averag\$4<br>same pilot same<br>(plural\$4 adj1<br>weight)) and<br>(channel adj estimat<br>\$4) and demodulat<br>\$3 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:25 |
| S95 | 2300  | (weight\$4 same sum or averag\$4 same pilot same (plural\$4 adj1 weight)) and (channel adj estimat \$4 quality) and demodulat\$3               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:27 |

| <b>S</b> 96 | 89   | (weight\$4 same sum or averag\$4 same pilot same (plural\$4 adj1 weight)) and (channel adj estimat \$4 same quality) and demodulat\$3 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/05/22<br>13:27 |
|-------------|------|---|---|----|----|---------------------|
| S97         | 556  | (channel adj estimat<br>\$3) near4 (averag<br>\$3 or mean same<br>pilot same weight<br>\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/30<br>08:23 |
| S98         | 337  | (channel adj estimat<br>\$3) near2 (averag<br>\$3 or mean same<br>pilot same weight<br>\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/30<br>08:24 |
| S99         | 193  | (channel adj estimat<br>\$3) near (averag\$3<br>or mean same pilot<br>same weight\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/30<br>08:59 |
| S100        | 17   | (channel adj estimat<br>\$3) near (weight\$3<br>near1 averag\$3 or<br>mean same pilot)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/30<br>09:00 |
| S101        | 21   | (channel adj estimat<br>\$3) near (weight\$3<br>near3 averag\$3 or<br>mean same pilot)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/30<br>09:00 |
| S102        | 55   | (channel adj estimat<br>\$3) near2 (weight<br>\$3 near3 averag\$3<br>or mean same pilot)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/30<br>09:00 |
| S103        | 1016 | 375/147.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>11:59 |
| S104        | 935  | S103 and (pilot channel estimat\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:01 |
| S105        | 99   | S104 and (weight\$3 same averag\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:33 |
| S106        | 0    | S105 and (select\$3 same relaibility)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:02 |
| S107        | 6    | S105 and (select\$3 same reliability)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:02 |

| S108 | 60   | S104 and (weight\$3 near4 averag\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:34 |
|------|------|--|---|----|----|---------------------|
| S109 | 46   | S104 and (weight\$3 near2 averag\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:34 |
| S110 | 36   | S104 and (weight\$3 near1 averag\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2007/08/31<br>12:34 |
| S111 | 21   | (judg\$4 or determin<br>\$3 same reliability)<br>same (plurality adj1<br>demodulat\$3)                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>14:29 |
| S112 | 13   | (select\$3 same judg<br>\$4 or determin\$3<br>same reliability)<br>same (plurality adj1<br>demodulat\$3) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>14:32 |
| S113 | 2980 | Iwamatsu.in.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>14:33 |
| S114 | 56   | S113 and demodulat<br>\$3 and select\$3  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>15:04 |
| S115 | 169  | (plurality adj1<br>demodulat\$3 with<br>select\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>15:17 |
| S116 | 25   | (plurality adj1<br>demodulat\$3 with<br>select\$3) and<br>reliabilit\$3                                  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/08/31<br>15:07 |
| S117 | 1    | "6728323".PN.  | USPAT; USOCR                                      | OR | ON | 2007/08/31<br>15:25 |
| S118 | 1    | "6507604".PN.  | USPAT; USOCR                                      | OR | ON | 2007/08/31<br>15:25 |
| S119 | 1107 | 375/147.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2008/02/15<br>13:28 |
| S120 | 1020 | S119 and (pilot channel estimat\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2008/02/15<br>13:28 |
| S121 | 23   | S120 and (weight\$3<br>near4 averag\$3<br>same pilot)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2008/02/15<br>13:28 |

| S122 | 38 | S120 and (weight\$3 same averag\$3 same pilot)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2008/02/15<br>14:08 |
|------|----|---|---|----|----|---------------------|
| S123 | 6  | S120 and (weight\$3<br>adj2 pilot ) and<br>(averag\$3 adj2<br>pilot)                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2008/02/15<br>14:23 |
| S124 | 1  | "6178194".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>14:35 |
| S125 | 1  | "06414988"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/15<br>14:39 |
| S126 | 1  | "6178194".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>14:39 |
| S127 | 6  | S120 and (weigh\$5<br>adj2 pilot ) and<br>(averag\$4 adj2<br>pilot)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT          | OR | ON | 2008/02/15<br>14:40 |
| S128 | 1  | "6137840".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>14:42 |
| S129 | 1  | "5555268".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>14:55 |
| S130 | 1  | "5784360".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>14:56 |
| S131 | 1  | "5881056".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>14:56 |
| S132 | 1  | "5912931".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>15:07 |
| S133 | 1  | "5960029".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>15:08 |
| S134 | 1  | "5978413".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>15:09 |
| S135 | 1  | "6134260".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>15:10 |
| S136 | 1  | "6067292".PN.   | USPAT; USOCR                                      | OR | ON | 2008/02/15<br>15:21 |
| S137 | 2  | "05506865"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/19<br>06:48 |
| S138 | 17 | (judge\$4 or<br>determin\$3 same<br>reliabilit\$4) same<br>(plurality adj1<br>demodulat\$3) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/09/03<br>07:49 |

| S139 | 13   | (judge\$4 or<br>determin\$3 same<br>reliabilit\$4) same<br>(plurality adj1<br>demodulat\$3) and<br>select\$4                | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR | ON | 2008/09/03<br>07:49 |
|------|------|---|--|----|----|---------------------|
| S140 | 1452 | 375/148.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT             | OR | ON | 2008/09/03<br>08:49 |
| S141 | 21   | (judg\$4 or determin<br>\$3 same reliabilit<br>\$4) same (pluralit<br>\$4 adj1 demodulat<br>\$3) and select\$4              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR | ON | 2009/05/22<br>12:33 |
| S142 | 8    | (judg\$4 or determin<br>\$3 same reliabilit<br>\$4) same (pluralit<br>\$4 adj1 demodulat<br>\$3) and select\$4<br>and pilot | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT    | OR | ON | 2009/05/22<br>12:33 |
| S143 | 739  | (demodulat\$4<br>near3 data near2<br>sequence\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/05/22<br>12:34 |
| S144 | 2    | S141 and S143   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/05/22<br>12:34 |
| S145 | 126  | okumura-yukihiko.<br>in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2009/05/22<br>12:43 |

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